

Title (en)  
Soil compaction device

Title (de)  
Vorrichtung zur Bodenverdichtung

Title (fr)  
Dispositif de compaction de sol

Publication  
**EP 2434056 A3 20150107 (DE)**

Application  
**EP 11007886 A 20110928**

Priority  
DE 102010046820 A 20100928

Abstract (en)  
[origin: EP2434056A2] The device has a vibration rammer with a substructure (2) comprising a tamping foot (4), and a lower guide cylinder (6). A superstructure (8) comprises a housing (10) with a drive unit (14) that is connected via a drive train (16) with the tamping foot in the substructure (2). The lower guide cylinder and upper guide cylinder (12) are arranged to form one axial guide (18). A stop element (20) is arranged between the superstructures (8) for locking the movement of substructure (2) relative to the superstructure (8).

IPC 8 full level  
**E02D 3/046** (2006.01); **E01C 19/34** (2006.01); **E01C 19/35** (2006.01); **E01C 19/38** (2006.01); **E02D 3/068** (2006.01)

CPC (source: EP US)  
**E01C 19/34** (2013.01 - EP US); **E01C 19/35** (2013.01 - EP US); **E01C 19/38** (2013.01 - EP US); **E02D 3/046** (2013.01 - EP US); **E02D 3/068** (2013.01 - EP US)

Citation (search report)

- [X] US 4343568 A 19820810 - KALTENEGGER BENNO
- [X] FR 2332107 A1 19770617 - RILCO MASCHF [DE]
- [X] US 3756735 A 19730904 - LINZ A
- [A] FR 1406173 A 19650716
- [A] US 3286790 A 19661122 - HEINRICH KESTEL
- [A] US 4186197 A 19800129 - TETSUO SUSUMU [JP]

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CN113832811A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2434056 A2 20120328**; **EP 2434056 A3 20150107**; CN 102561301 A 20120711; DE 102010046820 A1 20120329; JP 2012102602 A 20120531; US 2012076584 A1 20120329

DOCDB simple family (application)  
**EP 11007886 A 20110928**; CN 201110323925 A 20110928; DE 102010046820 A 20100928; JP 2011212796 A 20110928; US 201113247084 A 20110928